

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/FR2004/050316

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B01D71/72 B01D69/02 F15C5/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 F16K B01D F15C B81B B01J B01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, COMPENDEX, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	ELYASHEVICH G K ET AL: "COMPOSITE MEMBRANES WITH CONDUCTING POLYMER MICROTUBULES AS NEW ELECTROACTIVE AND TRANSPORT SYSTEMS" POLYMERS FOR ADVANCED TECHNOLOGIES, JOHN WILEY AND SONS, CHICHESTER, GB, vol. 13, no. 10-12, October 2002 (2002-10), pages 725-736, XP001143821 ISSN: 1042-7147 pages 1-3	1,2,5,6, 12,16-18
A	WO 02/44566 A (BIOMERIEUX SA ;IMBAUD PIERRE (FR); BROYER PATRICK (FR); GARNIER FR) 6 June 2002 (2002-06-06) cited in the application claims 1,5,7,8,14,15; figures 4,5 ----- -/--	1-6,8, 12,15

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

8 December 2004

Date of mailing of the international search report

16/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Rechenmacher, M

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/FR2004/050316

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00/13795 A (BIO MERIEUX ;COLIN BRUNO (FR); IMBAUD PIERRE (FR); DACHAUD JACQUES) 16 March 2000 (2000-03-16) cited in the application abstract	1,15
A	WO 00/78453 A (BIOMERIEUX SA ;COLIN BRUNO (FR); DACHAUD JACQUES (FR)) 28 December 2000 (2000-12-28) cited in the application abstract	1,15
A	DE 199 16 802 A (ILLING GERHARD) 25 October 2001 (2001-10-25)	
A	WO 98/22719 A (ESTEVE DANIEL ;MIKLER CLAUDE (FR); TEILLAUD ERIC (FR); MILLOT PHIL) 28 May 1998 (1998-05-28) cited in the application	
A	WO 02/065005 A (CALIFORNIA INST OF TECHN) 22 August 2002 (2002-08-22) cited in the application	
A	US 6 382 254 B1 (SHARMA RAVI ET AL) 7 May 2002 (2002-05-07) cited in the application	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/FR2004/050316

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0244566	A	06-06-2002	FR 2817604 A1 AU 2207802 A EP 1337757 A1 WO 0244566 A1 JP 2004514855 T US 2004108479 A1	07-06-2002 11-06-2002 27-08-2003 06-06-2002 20-05-2004 10-06-2004
WO 0013795	A	16-03-2000	FR 2782934 A1 FR 2782935 A1 AT 228885 T AU 747591 B2 AU 5522999 A CA 2342735 A1 DE 69904344 D1 DE 69904344 T2 EP 1201305 A2 EP 1112122 A1 ES 2189469 T3 WO 0013795 A1 JP 2003525101 T	10-03-2000 10-03-2000 15-12-2002 16-05-2002 27-03-2000 16-03-2000 16-01-2003 08-04-2004 02-05-2002 04-07-2001 01-07-2003 16-03-2000 26-08-2003
WO 0078453	A	28-12-2000	FR 2795476 A1 AT 245486 T AU 764296 B2 AU 6450900 A CA 2376784 A1 DE 60004046 D1 DE 60004046 T2 EP 1187679 A1 WO 0078453 A1 JP 2003502654 T	29-12-2000 15-08-2003 14-08-2003 09-01-2001 28-12-2000 28-08-2003 22-04-2004 20-03-2002 28-12-2000 21-01-2003
DE 19916802	A	25-10-2001	DE 19916802 A1	25-10-2001
WO 9822719	A	28-05-1998	FR 2756032 A1 FR 2764034 A1 AT 213309 T AU 725913 B2 AU 5227798 A BR 9713381 A CA 2272326 A1 DE 69710486 D1 DE 69710486 T2 DE 939862 T1 EP 0939862 A1 ES 2138575 T1 WO 9822719 A1 HU 0001065 A2 JP 2001505491 T NO 992481 A NZ 336015 A PL 185319 B1 SK 63999 A3 US 6247485 B1	22-05-1998 04-12-1998 15-02-2002 26-10-2000 10-06-1998 21-03-2000 28-05-1998 21-03-2002 31-10-2002 06-04-2000 08-09-1999 16-01-2000 28-05-1998 28-08-2000 24-04-2001 21-05-1999 24-11-2000 30-04-2003 16-05-2000 19-06-2001
WO 02065005	A	22-08-2002	WO 02065005 A1 US 2002109114 A1	22-08-2002 15-08-2002

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/FR2004/050316

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6382254	B1	07-05-2002 EP 1215399 A2	19-06-2002